



# CONSTRUCTION EQUIPMENT

## SPM606655 SENNEBOGEN 835ME 835.0.2500 - HYDRAULIC SYSTEM



**Sample No:** VCP415221  
**Oil Type:** VOLVO SUPER HYDRAULIC OIL 46  
**Job No:** SPM606655



### SAMPLE INFORMATION

Sample Number	<b>VCP415221</b>	VCP401856	VCP399734	VCP364788
Sample Date	<b>12 Sep 2023</b>	20 Mar 2023	05 Jan 2023	02 Sep 2022
Machine Hours	<b>9698</b>	8469	7934	7403
Oil Hours	<b>0</b>	0	0	0
Oil Changed	<b>Not Chngd</b>	Not Chngd	Not Chngd	Not Chngd
Sample Status	<b>ABNORMAL</b>	NORMAL	ABNORMAL	ATTENTION

### SIMS METAL MANAGEMENT

2500 S. PAULINA  
 CHICAGO, IL  
 US 60608  
 Contact: RYAN WISE  
 ryan.wise@simsmm.com  
 T:  
 F:

### OIL CONDITION

Visc @ 40°C	cSt	<b>44.3</b>	44.7	44.4	44.1
Acid Number (AN)	mg KOH/g	<b>0.56</b>	0.46	0.53	0.56

### CONTAMINATION

Particles >4µm		<b>18877</b>	4258	19587	9086
Particles >6µm		<b>4356</b>	919	5707	830
Particles >14µm		<b>403</b>	68	362	30
ISO 4406:1999 (c)		<b>21/19/16</b>	19/17/13	21/20/16	20/17/12
Silicon	ppm	<b>&lt;1</b>	2	2	<1
Sodium	ppm	<b>2</b>	2	0	<1
Potassium	ppm	<b>&lt;1</b>	0	2	0

### Diagnosis

We recommend you service the filters on this component. Resample at the next service interval to monitor. All component wear rates are normal. There is a high amount of particulates present in the oil. The AN level is acceptable for this fluid. The condition of the oil is suitable for further service.

### WEAR METALS

Iron	ppm	<b>7</b>	6	7	6
Copper	ppm	<b>2</b>	1	2	2
Lead	ppm	<b>0</b>	0	0	0
Tin	ppm	<b>0</b>	0	<1	<1
Aluminum	ppm	<b>&lt;1</b>	<1	0	<1
Chromium	ppm	<b>&lt;1</b>	<1	<1	<1
Molybdenum	ppm	<b>&lt;1</b>	<1	<1	<1
Nickel	ppm	<b>0</b>	0	0	0
Titanium	ppm	<b>&lt;1</b>	<1	<1	<1
Silver	ppm	<b>0</b>	0	0	<1
Manganese	ppm	<b>0</b>	<1	0	0
Vanadium	ppm	<b>0</b>	0	0	0

### ADDITIVES

Calcium	ppm	<b>142</b>	76	71	68
Magnesium	ppm	<b>4</b>	3	7	5
Zinc	ppm	<b>538</b>	550	587	576
Phosphorus	ppm	<b>445</b>	434	449	475
Barium	ppm	<b>0</b>	0	0	0
Boron	ppm	<b>0</b>	0	0	<1

**Depot:** SIMCHIL  
**Unique No:** 10658212  
**Signed:** Don Baldrige  
**Report Date:** 22 Sep 2023

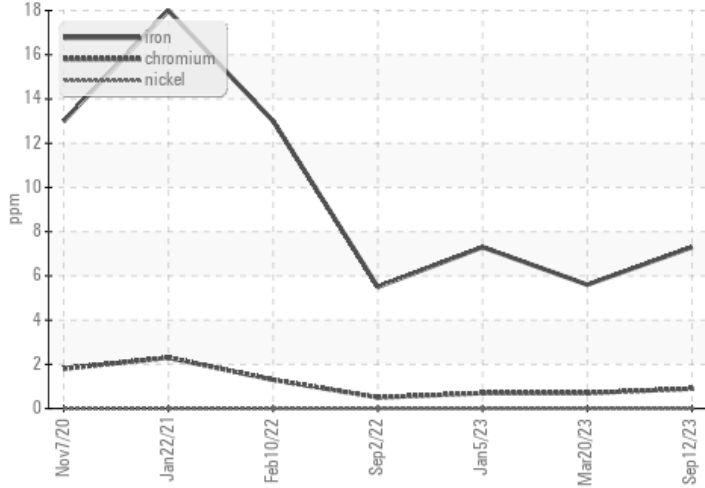


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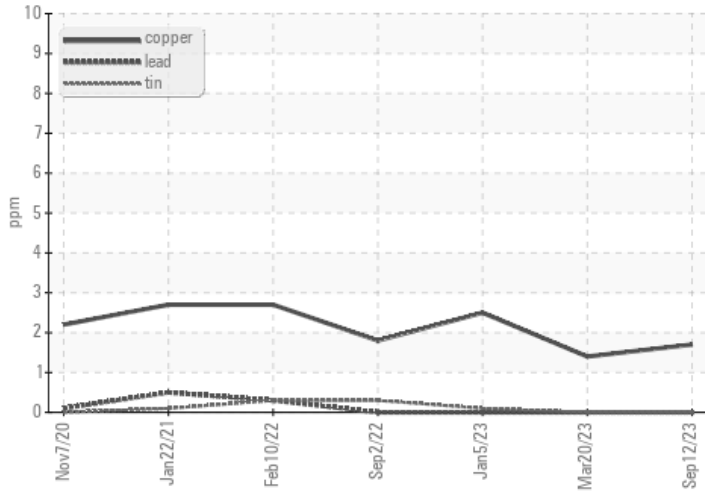


## GRAPHS

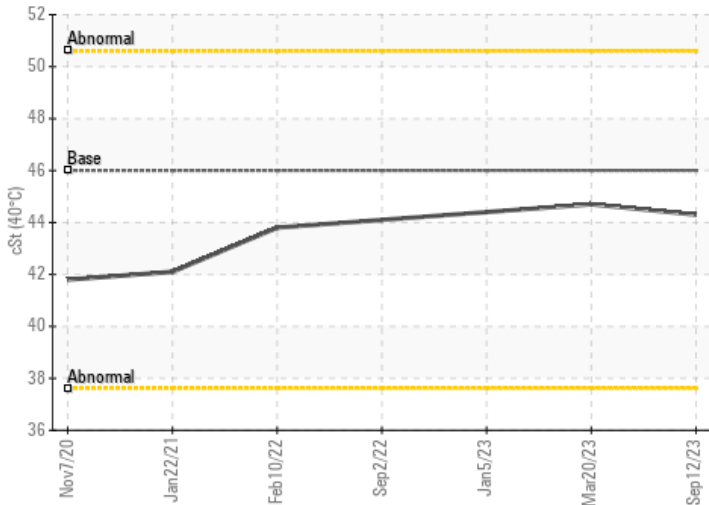
### Ferrous Alloys



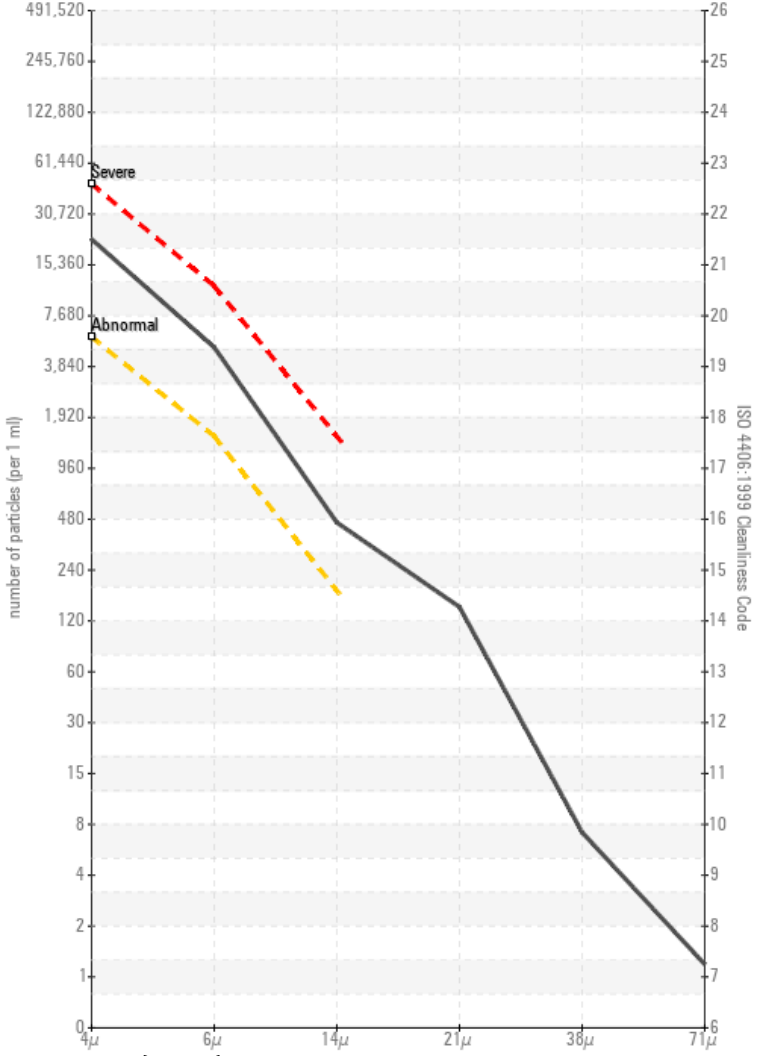
### Non-ferrous Metals



### Viscosity @ 40°C



### Particle Count



### Acid Number

